

## CLAIMS

- Claim 1. An insecticide jelly bait for cockroaches, comprising:
- a pectin selected from the group consisting of: low methoxyl pectin (LMP), and low methoxyl pectin-amidated (LMPA);
  - a food-based bait;
  - composite with II valence metal ion selected from the group consisting of magnesium ion, calcium ion, strontium ion, and barium ion;
  - an insecticide selected from the group consisting of boric acid, organic phosphate, and synthesized chrysanthemum essence; and
  - water.
- Claim 2. The insecticide jelly bait as described in claims 1, wherein said LMP has a weight percentage of 0.6% to 10%.
- Claim 3. The insecticide as described in claim 1, wherein said LMPA has a weight percentage of 0.6% to 10%.
- Claim 4. The insecticide jelly bait as described in claim 1, wherein said food-based bait has a weight percentage of 0.5% to 2%.
- Claim 5. The insecticide jelly bait as described in claim 1, wherein said composite with II valence metal ion has a weight percentage of 50 ppm to 3000 ppm;
- Claim 6. The insecticide jelly bait as described in claim 1, wherein said boric acid has a weight percentage of 20% to 60%.
- Claim 7. The insecticide jelly bait as described in claim 1, wherein the organic phosphate has a weight percentage of 0.5% to 3%.
- Claim 8. The insecticide jelly bait as described in claim 1, wherein the organic phosphate is selected from the group consisting of: Chlorpyrifos, Fenitrothion, Fenthion, Malathion, Pirimiphos-Methyl and Temphos.
- Claim 9. The insecticide jelly as described in claim 1, wherein the synthesized chrysanthemum essence is selected from the group consisting of: Bioresmethrin, Cypermethrin, Deltamethrin, Permethrin, Phenothrin, Resmethrin, S-Bioallethrin and Tetramethrin.